

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L12/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | EP 0 589 552 A (SUN MICROSYSTEMS INC) 30 March 1994 (1994-03-30) column 1, line 1 - column 2, line 47 column 3, line 25 - column 9, line 15 | 1-20 |
| A | US 2003/050064 A1 (YULE ANDREW T ET AL) 13 March 2003 (2003-03-13) paragraphs '0009! - '0012! | 3, 9, 13, 20 |
| A | US 2002/098852 A1 (GOREN DAVID P ET AL) 25 July 2002 (2002-07-25) paragraphs '0002!, '0003!, '0006!, '0043!, '0051! paragraphs '0058!, '0062!, '0075!, '0084!, '0086! - '0088! paragraphs '0096!, '0107! | 4, 7, 14 |
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

9 November 2004

Date of mailing of the international search report

16/11/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| A | EP 1 207 708 A (ERICSSON TELEFON AB L M) 22 May 2002 (2002-05-22) column 5, line 37 - column 6, line 18 column 15, lines 4-38 ----- | 1,11 |

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|----|---------------------|----------------------------|---------------------|
| EP 0589552 | A | 30-03-1994 | DE 69332431 D1 | 28-11-2002 |
| | | | DE 69332431 T2 | 18-06-2003 |
| | | | EP 0589552 A2 | 30-03-1994 |
| | | | JP 3412639 B2 | 03-06-2003 |
| | | | JP 7023042 A | 24-01-1995 |
| | | | US 6360264 B1 | 19-03-2002 |
| US 2003050064 | A1 | 13-03-2003 | EP 1417856 A1 | 12-05-2004 |
| | | | WO 03015442 A1 | 20-02-2003 |
| | | | TW 561785 B | 11-11-2003 |
| US 2002098852 | A1 | 25-07-2002 | AU 1978502 A | 27-05-2002 |
| | | | AU 2688402 A | 27-05-2002 |
| | | | AU 2692802 A | 27-05-2002 |
| | | | BR 0107383 A | 05-11-2002 |
| | | | BR 0107786 A | 22-10-2002 |
| | | | CA 2398779 A1 | 23-05-2002 |
| | | | CA 2398781 A1 | 23-05-2002 |
| | | | CA 2419796 A1 | 23-05-2002 |
| | | | EP 1336277 A2 | 20-08-2003 |
| | | | EP 1334578 A2 | 13-08-2003 |
| | | | EP 1336310 A2 | 20-08-2003 |
| | | | JP 2004514356 T | 13-05-2004 |
| | | | JP 2004529520 T | 24-09-2004 |
| | | | JP 2004514376 T | 13-05-2004 |
| | | | TW 582143 B | 01-04-2004 |
| | | | WO 0241651 A2 | 23-05-2002 |
| | | | WO 0241504 A2 | 23-05-2002 |
| | | | WO 0241545 A2 | 23-05-2002 |
| | | | US 2002097182 A1 | 25-07-2002 |
| | | | US 2002059535 A1 | 16-05-2002 |
| | | | ZA 200204589 A | 20-08-2003 |
| | | | ZA 200204590 A | 27-01-2004 |
| EP 1207708 | A | 22-05-2002 | EP 1207708 A1 | 22-05-2002 |
| | | | EP 1351530 A1 | 08-10-2003 |